

OUR GOAL IS TO PROVIDE YOU WITH THE INFORMATION YOU NEED TO IMPROVE THE EFFICIENCY AND RELIABILITY OF YOUR AIR COMPRESSORS AND COMPRESSED AIR SYSTEMS. WE DO THIS BY HELPING THOSE RESPONSIBLE FOR THE MAINTAINABILITY AND RELIABILITY OF THEIR SYSTEMS UNDERSTAND THE BASICS OF HOW PROPER COMPRESSOR CONTROL AND COMPRESSED AIR SYSTEM CONTROL CAN INCREASE RELIABILITY AND ENERGY SAVINGS.

Norm Fischer

President, CEO
Centrifugal Equipment
Service Corporation

Speaker, Norm Fischer is the co-founder of Centrifugal Equipment Service Corporation. With more than 28 years of compressor and compressed air system experience, Norm will bring you insight gathered from many different industries and compressed air applications.

In an effort to provide a better service to the industry, CES is offering a one-day informational seminar to provide valuable information to end-users of large industrial compressors. This seminar is designed to focus on real world issues and address all make and model air compressors.

RELIABILITY AND EFFICIENCY
ARE SYNONYMOUS



**CENTRIFUGAL EQUIPMENT
SERVICE CORPORATION**

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***1-DAY
PRESENTATION***

***Reliability
and Energy
Saving
Solutions***

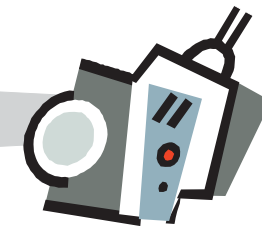
Five Great Locations

- Houston
- Chicago
- Sarasota
- Los Angeles
- Baltimore

Presented By:
CES CONTROLS

Presentation
Itinerary

Energy in the Spotlight



- 7:30 Continental Breakfast *Provided*
- 8:00 Introduction
- 8:05 Air Energy
- ⌚ Available Energy
 - ⌚ Maximum Available Energy Usage
- 8:30 Supply Side Energy Losses
- 8:45 Characteristics of a Centrifugal Compressor
- ⌚ Flow, Pressure, and Horse Power
 - ⌚ Surge
 - Natural Throttle
 - Sonic Velocity
 - ⌚ Limitations of Centrifugal Compressors
- 9:30 Characteristics of Positive Displacement Compressors
- ⌚ Pressure, Flow, Horse Power
- 9:45 Morning Break
Refreshments Provided
- 10:00 Energy Efficient Control of Centrifugal Air Compressors
- 10:30 Energy Efficient Control of Positive Displacement Compressors
- 11:00 Combined Controls of Centrifugal and Positive Displacement Compressors

12:00 Lunch provided by **CES Controls**

Afternoon Session:

- 1:00 Reliability
- ⌚ Centrifugal Compressor Reliability
 - ⌚ Demand Side Reliability Requirements
 - ⌚ Supply Side Reliability
- 2:00 Reliability & Energy Efficiency
- ⌚ Centrifugal Compressor Energy Saving and Increasing Reliability
 - ⌚ Multiple Compressor Energy Savings
 - ⌚ Increasing Supply Side Reliability
- 2:30 Return on Investment
- 2:45 Afternoon Break
Refreshment & Snacks Provided
- 3:00 Open Discussion

LOCATIONS

-
- Houston, TX - March 15
 - Chicago, IL - May 17
 - Sarasota, FL - July 12
 - Los Angeles, CA - September 13
 - Baltimore, MD - November 15

I-DAY PRESENTATION

REGISTRATION:

Email: Amy.Olive@cescontrols.com
Fax Attached Form
Register Online @ cescontrols.com
or Call 866-823-1540

For more information regarding this seminar or to schedule training at your facility, please call.

CES Contact:
Amy.Olive@cescontrols.com



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\$299.00

